

****11/4/03 DRAFT****

**Fire Regime Condition Class (FRCC) Interagency Handbook
Reference Conditions**

Modeler: Wendel Hann

Date: 8/13/03

PNVG Code: MGRA1

Potential Natural Vegetation Group: Mountain Grassland (Without Trees or Shrubs)

Geographic Area: Western U.S..

Description: PNVG generally occurs on gentle (< 30%) northerly aspects in the lower montane zone, gentle southerly aspects in the montane zone, and steep (> 30%) southerly aspects in the upper montane zone.

Fire Regime Description: Fire Regime II, primarily short interval (e.g., <20 yr) stand replacement fires.

Vegetation Type and Structure

Class	Percent of Landscape	Description
A: post replacement	15	Post-fire forb-grass
B: mid-development closed	15	> 40% canopy cover immature grass-forb
C: mid- open	45	< 40% canopy cover immature grass-forb
D: late- open	20	< 40% canopy cover mature grass
E: late- closed	5	> 40% canopy cover mature grass
Total	100	

Fire Frequency and Severity

Fire Frequency-Severity	Modeled Probability	Pct, All Fires	Description
Replacement Fire	.045	80	Fire in grass layer
Non-Replacement Fire	.017	20	All mosaic fire
All Fire Frequency*	.062	100	

*Sum of replacement fire and non-replacement fire probabilities.

References

Brown, James K.; Smith, Jane Kapler, eds. 2000. Wildland fire in ecosystems: effects of fire on flora. Gen. Tech. Rep. RMRS-GTR-42-vol. 2. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 257 p.

Hardy, Colin C., Kirsten M. Schmidt, James P. Menakis, R. Neil Samson. 2001. Spatial data for national fire planning and fuel management. *Int. J. Wildland Fire*. 10(3&4): 353-372.

Schmidt, Kirsten M, Menakis, James P., Hardy, Colin C., Hann, Wendel J., Bunnell, David L. 2002. Development of coarse-scale spatial data for wildland fire and fuel management. Gen. Tech. Rep. RMRS-GTR-87. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 41 p. + CD.

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VDDT RESULTS



